

Title (en)  
WEARABLE SENSOR AND HEALTHCARE MANAGEMENT SYSTEM USING A WEARABLE SENSOR

Title (de)  
WEARABLE-SENSOR UND GESUNDHEITSVERWALTUNGSSYSTEM MIT EINEM WEARABLE-SENSOR

Title (fr)  
CAPTEUR POUVANT ÊTRE PORTÉ ET SYSTÈME DE GESTION DE SOINS DE SANTÉ METTANT EN OEUVRE UN CAPTEUR POUVANT ÊTRE PORTÉ

Publication  
**EP 3946017 A4 20221207 (EN)**

Application  
**EP 20781828 A 20200331**

Priority  
• US 201962827097 P 20190331  
• US 2020026037 W 20200331

Abstract (en)  
[origin: US2020312453A1] A healthcare management system for a healthcare team caring for a patient to serve a healthcare need of the patient includes a wearable sensor worn by the patient for obtaining healthcare data from the patient; a healthcare clinical system having an healthcare analysis subsystem for analyzing the healthcare data; and a relay device in communication selectively with the wearable sensor and the healthcare clinical system. The healthcare analysis subsystem includes an artificial intelligence (AI) engine, the AI engine having a plurality of clinical analysis modules, each clinical analysis module is directed to a respective predetermined medical area, the respective clinical analysis module analyzing the healthcare data with a respective learned algorithm directed to the respective predetermined medical area.

IPC 8 full level  
**A61B 5/00** (2006.01); **G16H 10/00** (2018.01); **G16H 10/60** (2018.01); **G16H 50/00** (2018.01)

CPC (source: EP US)  
**A61B 5/1102** (2013.01 - EP US); **A61B 5/6802** (2013.01 - EP US); **A61B 5/6823** (2013.01 - EP US); **A61B 5/7264** (2013.01 - EP); **A61B 5/747** (2013.01 - EP US); **G06F 1/163** (2013.01 - EP); **G06F 3/016** (2013.01 - EP US); **G16H 10/60** (2017.12 - US); **G16H 40/67** (2017.12 - EP US); **G16H 50/20** (2017.12 - EP); **H04W 4/14** (2013.01 - US); **H04W 4/38** (2018.01 - EP); **H04W 4/80** (2018.01 - EP US)

Citation (search report)  
• [X] WO 2019028196 A1 20190207 - UNIV FLORIDA [US], et al  
• [X] WO 2017179073 A1 20171019 - SENGUPTA RAJIB [IN], et al  
• [X] US 2015178629 A1 20150625 - REIFMAN JACQUES [US], et al  
• [X] WO 2016110804 A1 20160714 - BURTON DAVID [AU]  
• See references of WO 2020205896A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 11908576 B2 20240220; US 2020312453 A1 20201001**; EP 3946017 A1 20220209; EP 3946017 A4 20221207; US 2024177852 A1 20240530; WO 2020205896 A1 20201008

DOCDB simple family (application)  
**US 202016836804 A 20200331**; EP 20781828 A 20200331; US 2020026037 W 20200331; US 202418432793 A 20240205